

# **EXHIBIT 4**

TAVTIGIAN DECLARATION  
EXHIBIT 4

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CLUSTAL 2.0.12 multiple sequence alignment

USP-5837492 SEQ-ID-NO-1  
WO1997019110 SEQ-ID-NO-15

GGTGGCGAGCTCTGAAACTAGGCGCAGAGGGAGCCGCTGTGGCA 50

[~1,000 intervening nucleotides of true BRCA2 cDNA sequence missing from ICR's "BRCA2" cDNA sequence]

USP-5837492 SEQ-ID-NO-1  
WO1997019110 SEQ-ID-NO-15

AAAGAGAACTGCGAAGTCATGGATTGGAAAAACATCAGGAAATTCAATT 1050

USP-5837492 SEQ-ID-NO-1  
WO1997019110 SEQ-ID-NO-15

AAAGTAAATAGCTGCAAAAGACCAATTGGAAAGTCAATGCCAAATGTCT 1100  
-CCACATTGGAAAGTCAATGCCAAATGTCT 30

USP-5837492 SEQ-ID-No-1

AGAAGATGAAGTATATGAAAACAGTTGATAGATACCTCTGAAGAAGATAGTT 1150

[ICR's "BRCA2" cDNA sequence aligns with Myriad's sequence, with some isolated errors, for roughly 7,000 nucleotides.<sup>1</sup>

USP-5837492 SEQ-ID-NO-1  
WO1997019110 SEQ-ID-NO-15

ACTGGAAAAGGAAATACAGTGGCTGATGGTGGATGGCTCATACCCCTCAA 8000  
ACTGGAAAAGGAAATACAGTGGCTGATGGTGGATGGCTCATACCCCTCAA 6928

USP-5837492\_SEQ-ID-NO-1

TGATGGAAAGGTGGAAAAGAAGAATTATAGGGCTCTGTGTGACACT- 8049

\* \* \* \* \*

W0199/019110\_SEQ-1D-No-15

AGGCACATAGGATAAACCATGTCGCACTTGAGGAATTGGAGAA--AAA 7026  
\* \*

USE=383/492\_SEQ=1\_D=NU=1

ACATAGAAGAACAGGAACTGGGAGCTATGAAAGGCCCTT 8142

**Comment [b2]:** ICR's *“BRCA2”* cDNA sequence diverges from Myriad's BRCA2 cDNA sequence here, with roughly 3,300 nucleotides remaining in the true BRCA2 cDNA.

**Comment [b1]:** ICR's "BRCA2" cDNA sequence starts here, at position 1071 of Myriad's correct BRCA2 cDNA sequence.

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WO1997019110 S90-ID-NO-15

GTCACTGTCTAGAACATAAGGAGGGCCAGA---GAAATGGATCTGG 7873

USP-5837492\_SEQ-ID-NO-1  
WO1997019110\_SEQ-ID-NO-15

CCTAAGGAATTGCTTAATAGATGCCCTAAGCCCCAGAAAAGGGTGCCTCTTCA 8192  
TACAGGAGAATCAATGAGACCGGGTAAGAAAACAGAAAAAGGGCTGC--- 7119

USP-5837492 SEQ-ID-NO-1  
WO1997019110 SEQ-ID-NO-15

ACTAAAATACAGATATGATACGGAAATTGAT---AGAACGAGAAGATCGG 8239  
ACCAAAATGATTGACACGCTCTGCAAACCTCTTTGGCTCAAGTTGTG 7169  
\* \*

USP-5837492 SEQ-ID-NO-1  
WO1997019110 SEQ-ID-NO-15

CTATAAAAGATAATGGAAAGGGATGACACAGCTGCAAAACACTTGT  
GCTCAAGGGTGAAGGTAAAGCCAGACTTATTGTATGAT--TTGCC

USP-5837492 SEQ-ID-NO-1  
WO1997019110 SEQ-ID-NO-15

CTCTGTTCTGACATAATTCTATTAGCGAAATATATCTGAACTC 8339  
CTTIAATTGAAGCCTTAAGATT----- 7240

USP-5837492 SEQ-ID-NO-1  
WO1997019110 SEQ-ID-NO-15

[~3,000 intervening nucleotides of true BRCA2 cDNA sequence missing from ICR's "BRCA2" cDNA sequence]

USP-5837492\_SEQ-ID-NO-1  
WO1997019110\_SEQ-ID-NO-15

AATCAGAAAGATTCCATAGTTAATTATTATTTTTCAACAAAATGGTCA 11339

USP-5837492 SEQ-ID-NO-1  
WO1997019110 SEQ-ID-NO-15

**Comment [b4]:** Myriad's corrected BRCA2 cDNA ends here.

**Comment [b4]:** Myriad's corrected BRCA2 cDNA ends here.